



WP 3 Ecosystem Valorization

Jurgen Adriaen, De Blauwe Cluster

08.11.2023



Funded by the European Union under Grant Agreement ID 101060703. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.

What are Ecosystem services

"the benefits people obtain from ecosystems"

Supporting services: primary production,...

Provisioning services: food, energy,...

Regulating service: purification of water and air, carbon sequestration,...

Cultural services: recreation,...

ES of Blue Bio activities:

Mussels: food production, nutrient recovery, coastal protection,...

Oysters: coastal protection, nursery effect,...

.....



Funded by the European Union under Grant Agreement ID 101060703. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.



Ecosystem approach

Are these ecosystem services important for a Region?

- Can be local food production, but also product towards retail
- Can be protection,...
- Can be regional productplacement (food+tourism+..),...
- Opportunities for nature inclusive design for other activities
-

But our activities off/nearshore have an impact: apply the ECOSYSTEM APPROACH

Our activities in relation with the environment:

- Can we reduce those negative impacts?
- Can we use or reinforce the positive effects of certain ES?
- Can we give a value to the ES?



Ecosystem approach

Why a value?

- *Create awareness, willingness or obligation to influence positively the ES, even if its not directly provide economic value for the company when validating impacts
- *Quantification and valuation of ecosystem services provides decision-makers (in both industry and policy) the possibility to consider trade-offs between alternative management scenarios:
 - Lesser ecological impact if food has marine origin in comparison to land-originated
 - Healthier: also a long term win for governmental cost?
- *Ecosystem approach can enhance public support and thus give the different players a licence to operate.



Ecosystem approach

How to give a value?

Difficulties:

- *complexity of cumulative impacts
- *Need of data, and specific monitoring
- *

→ Development of Framework and tools

BlueBiocluster: create an awareness tool for Ecosystem Approach.
Input from different projects, (examples Blauwe Cluster: see QR)



Funded by the European Union under Grant Agreement ID 101060703. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.



Thank you!

Follow us!



[@bluebioclusters](https://twitter.com/bluebioclusters)



<https://www.linkedin.com/company/bluebioclusters/>



Funded by the European Union under Grant Agreement ID 101060703. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.

